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      740   745   750

Asp Glu Trp Gly Cys Val Thr Leu Ser Lys Asn Gly Asn Ser Ser Ser
      755   760   765

Leu Leu Thr Val His Lys Ser Ala Lys Glu His His Val Cys Ala Asp
    770   775   780

Gly Trp Arg Glu Thr Leu Ser Gln Leu Ala Cys Lys Gln Met Gly Leu
785   790   795   800

Gly Glu Pro Ser Val Thr Lys Leu Ile Pro Gly Gln Glu Gly Gln Gln
      805   810   815

Trp Leu Arg Leu Tyr Pro Asn Trp Glu Asn Leu Asn Gly Ser Thr Leu
     820   825   830

Gln Glu Leu Leu Val Tyr Arg His Ser Cys Pro Ser Arg Ser Glu Ile
     835   840   845

Ser Leu Leu Cys Ser Lys Gln Asp Cys Gly Arg Arg Pro Ala Ala Arg
   850   855   860

Met Asn Lys Arg Ile Leu Gly Gly Arg Thr Ser Arg Pro Gly Arg Trp
865   870   875   880

Pro Trp Gln Cys Ser Leu Gln Ser Glu Pro Ser Gly His Ile Cys Gly
            885   890   895

Cys Val Leu Ile Ala Lys Lys Trp Val Leu Thr Val Ala His Cys Phe
            900   905   910

Glu Gly Arg Glu Asp Ala Asp Val Trp Lys Val Val Phe Gly Ile Asn
            915   920   925

Asn Leu Asp His Pro Ser Gly Phe Met Gln Thr Arg Phe Val Lys Thr
            930   935   940

Ile Leu Leu His Pro Arg Tyr Ser Arg Ala Val Val Asp Tyr Asp Ile
945   950   955   960

Ser Val Val Glu Leu Ser Asp Asp Ile Asn Glu Thr Ser Tyr Val Arg
            965   970   975

Pro Val Cys Leu Pro Ser Pro Glu Glu Tyr Leu Glu Pro Asp Thr Tyr
            980   985   990

Cys Tyr Ile Thr Gly Trp Gly His Met Gly Asn Lys Met Pro Phe Lys
            995   1000   1005

Leu Gln Glu Gly Glu Val Arg Ile Ile Pro Leu Glu Gln Cys Gln
    1010   1015   1020

Ser Tyr Phe Asp Met Lys Thr Ile Thr Asn Arg Met Ile Cys Ala
    1025   1030   1035

Gly Tyr Glu Ser Gly Thr Val Asp Ser Cys Met Gly Asp Ser Gly
    1040   1045   1050

Gly Pro Leu Val Cys Glu Arg Pro Gly Gly Gln Trp Thr Leu Phe
    1055   1060   1065

Gly Leu Thr Ser Trp Gly Ser Val Cys Phe Ser Lys Val Leu Gly
    1070   1075   1080

Pro Gly Val Tyr Ser Asn Val Ser Tyr Phe Val Gly Trp Ile Glu
    1085   1090   1095

Arg Gln Ile Tyr Ile Gln Thr Phe Leu Gln Lys Lys Ser Gln Gly
    1100   1105   1110

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<213> Homo sapiens

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His Val Leu Pro Thr Cys Ser Pro Leu Asp Phe His Cys Asp Asn Gly
                20   25   30

Lys Cys Ile Arg Arg Ser Trp Val Cys Asp Gly Asp Asn Asp Cys Glu
            35   40   45

Asp Asp Ser Asp Glu Gln Asp Cys Pro Pro Arg Glu Cys Glu Glu Asp
        50   55   60

Glu Phe Pro Cys Gln Asn Gly Tyr Cys Ile Arg Ser Leu Trp His Cys
65   70   75   80

Asp Gly Asp Asn Asp Cys Gly Asp Asn Ser Asp Glu Gln Cys Asp Met
                85   90   95

Arg Lys Cys Ser Asp Lys Glu Phe Arg Cys Ser Asp Gly Ser Cys Ile
            100   105   110

Ala Glu His Trp Tyr Cys Asp Gly Asp Thr Asp Cys Lys Asp Gly Ser
            115   120   125

Asp Glu Glu Asn Cys Pro Ser Ala Val Pro Ala Pro Pro Cys Asn Leu
    130   135   140

Glu Glu Phe Gln Cys Ala Tyr Gly Arg Cys Ile Leu Asp Ile Tyr His
145   150   155   160

Cys Asp Gly Asp Asp Asp Cys Gly Asp Trp Ser Asp Glu Ser Asp Cys
            165   170   175

Cys Glu Tyr Ser Gly Gln Leu Gly Ala Ser His Gln Pro Cys Arg Ser
            180   185   190

Gly Glu Phe Met Cys Asp Ser Gly Leu Cys Ile Asn Ala Gly Trp Arg
            195   200   205

Cys Asp Gly Asp Ala Asp Cys Asp Asp Gln Ser Asp Glu Arg Asn Cys
        210   215   220

Lys Gln Phe Arg Cys His Ser Gly Arg Cys Val Arg Leu Ser Trp Arg
225   230   235   240

Cys Asp Gly Glu Asp Asp Cys Ala Asp Asn Ser Asp Glu Glu Asn Cys
            245   250   255

Glu Asn Thr Gly Ser Pro Gln Cys Ala Leu Asp Gln Phe Leu Cys Trp
            260   265   270

Asn Gly Arg Cys Ile Gly Gln Arg Lys Leu Cys Asn Gly Val Asn Asp
            275   280   285

Cys Gly Asp Asn Ser Asp Glu Ser Pro Gln Gln Asn Cys Arg Pro Arg
    290   295   300

Thr Gly Glu Glu Asn Cys Asn Val Asn Asn Gly Gly Cys Ala Gln Lys
305   310   315   320

Cys Gln Met Val Arg Gly Ala Val Gln Cys Thr Cys His Thr Gly Tyr
                325   330   335

Arg Leu Thr Glu Asp Gly His Thr Cys Gln Asp Val Asn Glu Cys Ala
                340   345   350

Glu Glu Gly Tyr Cys Ser Gln Gly Cys Thr Asn Ser Glu Gly Ala Phe
                355   360   365

Gln Cys Trp Cys Glu Thr Gly Tyr Glu Leu Arg Pro Asp Arg Arg Ser
    370   375   380

Cys Lys Ala Leu Gly Pro Glu Pro Val Leu Leu Phe Ala Asn Arg Ile
385   390   395   400

Asp Ile Arg Gln Val Leu Pro His Arg Ser Glu Tyr Thr Leu Leu Leu
                405   410   415

Asn Asn Leu Glu Asn Ala Ile Ala Leu Asp Phe His His Arg Arg Glu
                420   425   430

Leu Val Phe Trp Ser Asp Val Thr Leu Asp Arg Ile Leu Arg Ala Asn
.435   440   445

Leu Asn Gly Ser Asn Val Glu Glu Val Val Ser Thr Gly Leu Glu Ser
    450   455   460

Pro Gly Gly Leu Ala Val Asp Trp Val His Asp Lys Leu Tyr Trp Thr
465   470   475   480

Asp Ser Gly Thr Ser Arg Ile Glu Val Ala Asn Leu Asp Gly Ala His
                485   490   495

Arg Lys Val Leu Leu Trp Gln Asn Leu Glu Lys Pro Arg Ala Ile Ala
                500   505   510

Leu His Pro Met Glu Gly Thr Ile Tyr Trp Thr Asp Trp Gly Asn Thr
            515   520   525

Pro Arg Ile Glu Ala Ser Ser Met Asp Gly Ser Gly Arg Arg Ile Ile
    530   535   540

Ala Asp Thr His Leu Phe Trp Pro Asn Gly Leu Thr Ile Asp Tyr Ala
545   550   555   560

Gly Arg Arg Met Tyr Trp Val Asp Ala Lys His His Val Ile Glu Arg
                565   570   575

Ala Asn Leu Asp Gly Ser His Arg Lys Ala Val Ile Ser Gln Val Phe
        580   585   590

Glu Asp Ser Leu Tyr Trp Thr Asp Trp His Thr Lys Ser Ile Asn Ser
    595   600   605

Ala Asn Lys Phe Thr Gly Lys Asn Gln Glu Ile Ile Arg Asn Lys Leu
   610   615   620

His Phe Pro Met Asp Ile His Thr Leu His Pro Gln Arg Gln Pro Ala
625   630   635   640

Gly Lys Asn Arg Cys Gly Asp Asn Asn Gly Gly Cys Thr His Leu Cys
          645   650   655

Leu Pro Ser Gly Gln Asn Tyr Thr Cys Ala Cys Pro Thr Gly Phe Arg
      660   665   670

Lys Ile Ser Ser His Ala Cys Ala Gln Ser Leu Asp Lys Phe Leu Leu
      675   680   685

Phe Ala Arg Arg Met Asp Ile Arg Arg Ile Ser Phe Asp Thr Glu Asp
   690   695   700

Leu Ser Asp Asp Val Ile Pro Leu Ala Asp Val Arg Ser Ala Val Ala
705   710   715   720

Leu Asp Trp Asp Ser Arg Asp Asp His Val Tyr Trp Thr Asp Val Ser
           725   730   735

Thr Asp Thr Ile Ser Arg Ala Lys Trp Asp Gly Thr Gly Gln Glu Val
         740   745   750

Val Val Asp Thr Ser Leu Glu Ser Pro Ala Gly Leu Ala Ile Asp Trp
         755   760   765

Val Thr Asn Lys Leu Tyr Trp Thr Asp Ala Gly Thr Asp Arg Ile Glu
   770   775   780

Val Ala Asn Thr Asp Gly Ser Met Arg Thr Val Leu Ile Trp Glu Asn
785   790   795   800

Leu Asp Arg Pro Arg Asp Ile Val Val Glu Pro Met Gly Gly Tyr Met
         805   810   815

Tyr Trp Thr Asp Trp Gly Ala Ser Pro Lys Ile Glu Arg Ala Gly Met
         820   825   830

Asp Ala Ser Gly Arg Gln Val Ile Ile Ser Ser Asn Leu Thr Trp Pro
         835   840   845

Asn Gly Leu Ala Ile Asp Tyr Gly Ser Gln Arg Leu Tyr Trp Ala Asp
   850   855   860

Ala Gly Met Lys Thr Ile Glu Phe Ala Gly Leu Asp Gly Ser Lys Arg
865 870 875 880

Lys Val Leu Ile Gly Ser Gln Leu Pro His Pro Phe Gly Leu Thr Leu
885 890 895

Tyr Gly Glu Arg Ile Tyr Trp Thr Asp Trp Gln Thr Lys Ser Ile Gln
900 905 910

Ser Ala Asp Arg Leu Thr Gly Leu Asp Arg Glu Thr Leu Gln Glu Asn
915 920 925

Leu Glu Asn Leu Met Asp Ile His Val Phe His Arg Arg Arg Pro Pro
930 935 940

Val Ser Thr Pro Cys Ala Met Glu Asn Gly Gly Cys Ser His Leu Cys
945 950 955 960

Leu Arg Ser Pro Asn Pro Ser Gly Phe Ser Cys Thr Cys Pro Thr Gly
965 970 975

Ile Asn Leu Leu Ser Asp Gly Lys Thr Cys Ser Pro Gly Met Asn Ser
980 985 990

Phe Leu Ile Phe Ala Arg Arg Ile Asp Ile Arg Met Val Ser Leu Asp
995 1000 1005

Ile Pro Tyr Phe Ala Asp Val Val Val Pro Ile Asn Ile Thr Met
     1010   1015   1020

Lys Asn Thr Ile Ala Ile Gly Val Asp Pro Gln Glu Gly Lys Val
     1025   1030   1035

Tyr Trp Ser Asp Ser Thr Leu His Arg Ile Ser Arg Ala Asn Leu
     1040   1045   1050

Asp Gly Ser Gln His Glu Asp Ile Ile Thr Thr Gly Leu Gln Thr
     1055   1060   1065

Thr Asp Gly Leu Ala Val Asp Ala Ile Gly Arg Lys Val Tyr Trp
     1070   1075   1080

Thr Asp Thr Gly Thr Asn Arg Ile Glu Val Gly Asn Leu Asp Gly
     1085   1090   1095

Ser Met Arg Lys Val Leu Val Trp Gln Asn Leu Asp Ser Pro Arg
     1100   1105   1110

Ala Ile Val Leu Tyr His Glu Met Gly Phe Met Tyr Trp Thr Asp
     1115   1120   1125

Trp Gly Glu Asn Ala Lys Leu Glu Arg Ser Gly Met Asp Gly Ser
     1130   1135   1140

Asp Arg Ala Val Leu Ile Asn Asn Asn Leu Gly Trp Pro Asn Gly
    1145   1150   1155

Leu Thr Val Asp Lys Ala Ser Ser Gln Leu Leu Trp Ala Asp Ala
    1160   1165   1170

His Thr Glu Arg Ile Glu Ala Ala Asp Leu Asn Gly Ala Asn Arg
    1175   1180   1185

His Thr Leu Val Ser Pro Val Gln His Pro Tyr Gly Leu Thr Leu
    1190   1195   1200

Leu Asp Ser Tyr Ile Tyr Trp Thr Asp Trp Gln Thr Arg Ser Ile
    1205   1210   1215

His Arg Ala Asp Lys Gly Thr Gly Ser Asn Val Ile Leu Val Arg
    1220   1225   1230

Ser Asn Leu Pro Gly Leu Met Asp Met Gln Ala Val Asp Arg Ala
    1235   1240   1245

Gln Pro Leu Gly Phe Asn Lys Cys Gly Ser Arg Asn Gly Gly Cys
    1250   1255   1260

Ser His Leu Cys Leu Pro Arg Pro Ser Gly Phe Ser Cys Ala Cys
    1265   1270   1275

Pro Thr Gly Ile Gln Leu Lys Gly Asp Gly Lys Thr Cys Asp Pro
    1280   1285   1290

Ser Pro Glu Thr Tyr Leu Leu Phe Ser Ser Arg Gly Ser Ile Arg
    1295   1300   1305

Arg Ile Ser Leu Asp Thr Ser Asp His Thr Asp Val His Val Pro
    1310   1315   1320

Val Pro Glu Leu Asn Asn Val Ile Ser Leu Asp Tyr Asp Ser Val
    1325   1330   1335

Asp Gly Lys Val Tyr Tyr Thr Asp Val Phe Leu Asp Val Ile Arg
    1340   1345   1350

Arg Ala Asp Leu Asn Gly Ser Asn Met Glu Thr Val Ile Gly Arg
    1355   1360   1365

Gly Leu Lys Thr Thr Asp Gly Leu Ala Val Asp Trp Val Ala Arg
    1370   1375   1380

Asn Leu Tyr Trp Thr Asp Thr Gly Arg Asn Thr Ile Glu Ala Ser
    1385   1390   1395

Arg Leu Asp Gly Ser Cys Arg Lys Val Leu Ile Asn Asn Ser Leu
    1400   1405   1410

Asp Glu Pro Arg Ala Ile Ala Val Phe Pro Arg Lys Gly Tyr Leu
    1415   1420   1425

Phe Trp Thr Asp Trp Gly His Ile Ala Lys Ile Glu Arg Ala Asn
    1430   1435   1440

Leu Asp Gly Ser Glu Arg Lys Val Leu Ile Asn Thr Asp Leu Gly .
    1445   1450   1455

Trp Pro Asn Gly Leu Thr Leu Asp Tyr Asp Thr Arg Arg Ile Tyr
    1460   1465   1470

Trp Val Asp Ala His Leu Asp Arg Ile Glu Ser Ala Asp Leu Asn
    1475   1480   1485

Gly Lys Leu Arg Gln Val Leu Val Ser His Val Ser His Pro Phe

    1490   1495   1500

Ala Leu Thr Gln Gln Asp Arg Trp Ile Tyr Trp Thr Asp Trp Gln
    1505   1510   1515

Thr Lys Ser Ile Gln Arg Val Asp Lys Tyr Ser Gly Arg Asn Lys
    1520   1525   1530

Glu Thr Val Leu Ala Asn Val Glu Gly Leu Met Asp Ile Ile Val
    1535   1540   1545

Val Ser Pro Gln Arg Gln Thr Gly Thr Asn Ala Cys Gly Val Asn
    1550   1555   1560

Asn Gly Gly Cys Thr His Leu Cys Phe Ala Arg Ala Ser Asp Phe
    1565   1570   1575

Val Cys Ala Cys Pro Asp Glu Pro Asp Ser Arg Pro Cys Ser Leu
    1580   1585   1590

Val Pro Gly Leu Val Pro Pro Ala Pro Arg Ala Thr Gly Met Ser
    1595   1600   1605

Glu Lys Ser Pro Val Leu Pro Asn Thr Pro Pro Thr Thr Leu Tyr
    1610   1615   1620

Ser Ser Thr Thr Arg Thr Arg Thr Ser Leu Glu Glu Val Glu Gly
    1625   1630   1635

Arg Cys Ser Glu Arg Asp Ala Arg Leu Gly Leu Cys Ala Arg Ser
    1640   1645   1650

Asn Asp Ala Val Pro Ala Ala Pro Gly Glu Gly Leu His Ile Ser
    1655   1660   1665

Tyr Ala Ile Gly Gly Leu Leu Ser Ile Leu Leu Ile Leu Val Val
    1670   1675   1680

Ile Ala Ala Leu Met Leu Tyr Arg His Lys Lys Ser Lys Phe Thr
     1685   1690   1695

Asp Pro Gly Met Gly Asn Leu Thr Tyr Ser Asn Pro Ser Tyr Arg
     1700   1705   1710

Thr Ser Thr Gln Glu Val Lys Ile Glu Ala Ile Pro Lys Pro Ala
     1715   1720   1725

Met Tyr Asn Gln Leu Cys Tyr Lys Lys Glu Gly Gly Pro Asp His
     1730   1735   1740

Asn Tyr Thr Lys Glu Lys Ile Lys Ile Val Glu Gly Ile Cys Leu
     1745   1750   1755

Leu Ser Gly Asp Asp Ala Glu Trp Asp Asp Leu Lys Gln Leu Arg
     1760   1765   1770

Ser Ser Arg Gly Gly Leu Leu Arg Asp His Val Cys Met Lys Thr
     1775   1780   1785

Asp Thr Val Ser Ile Gln Ala Ser Ser Gly Ser Leu Asp Asp Thr
     1790   1795   1800

Glu Thr Glu Gln Leu Leu Gln Glu Glu Gln Ser Glu Cys Ser Ser
     1805   1810   1815

Val His Thr Ala Ala Thr Pro Glu Arg Arg Gly Ser Leu Pro Asp
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Thr Gly Trp Lys His Glu Arg Lys Leu Ser Ser Glu Ser Gln Val
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accagagtct ca   12

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